math Antics Exercises

Name: _____

Date: _____

What Are Functions?

1 Fill in the blank.

The input set of a function is called the domain and the output set is called the range

2 True or False?

Functions aren't allowed to have "one-to-many" relations.

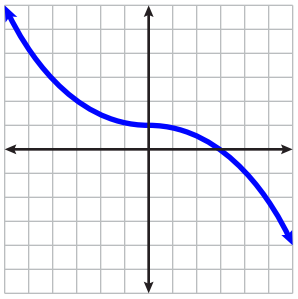
☒ True ☐ False

3 Complete this function table.

$y = 2x - 1$

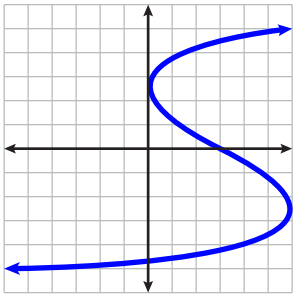
Input x	Output y
3	5
2	3
1	1
0	-1
-1	-3

4 Is this a function?
(Hint: Use the vertical line test.)



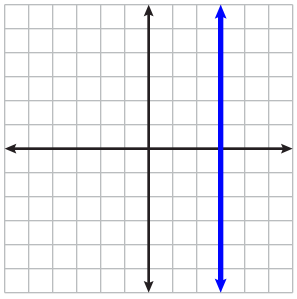
☒ Yes ☐ No

5 Is this a function?
(Hint: Use the vertical line test.)



☐ Yes ☒ No

6 Is this a function?
(Hint: Use the vertical line test.)



☐ Yes ☒ No

7 Evaluate.

Let $f(x) = x^2 + 1$

What is $f(3)$?

$f(3) = 3^2 + 1$

$= 9 + 1$

$= 10$

8 Evaluate.

Let $f(x) = x^2 + 3x$

What is $f(-1)$?

$f(-1) = (-1)^2 + 3(-1)$

$= 1 + (-3)$

$= -2$

See Video for step-by-step solutions to each problem.

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